The Arcoptix LC (Liquid Crystal) driver is a USB computer controlled electrical power supply optimized for driving liquid crystal cells such as the LC Variable phase retarder, the TN cell or the polarization converter.

The LC driver has two independent outputs (Lemo connectors). They are controlled via a simple windows compatible software. The output has a variable square amplitude with polarity inversion and a frequency of 1.6 KHz. This guarantees a homogenous variation of the LC layer inside the cell.

**FEATURES & BENEFITS**

**Two Outputs:**
The two independent outputs are ideal for systems containing more than one system as for example a polarization controller (with two variable phase retarders) or the full version of the polarization converter (containing a TN cell and a variable phase retarder).

**Computer Controlled.**
Easy to use software controlled power supply. Possibility to get Labview VI and DLL for custom software design.

**Optimized for LC Devices:**
Electrical output characteristics guarantees a homogenous deformation of the LC Layer (no ionic build up).

**High precision and stability over a broad voltage range:** It is important to have a stable and precise power supply LC layer is very sensitive.

---

**Specifications:**

- **Amplitude:** 0-8V
- **Precision:** 10 mV
- **Signal Waveform:** Square
- **Outputs:** 2
- **Power:** USB Powered
- **Output Frequency:** 1.6 KHz
- **Software:** Windows compatible Labview available on demand
- **Connectors:** Lemo ERA.00.250.CTL
- **Size:** 11 x 6.5 x 5.5 cm
- **Housing:** Black eloxed Aluminium

---

For additional information:
ARCOPTIX S.A.
info@arcoptix.com
Neuchâtel, Switzerland  www.arcoptix.com
Tel. +41 32 718 04 66

Specifications are subject to change without notice  © 2007 ARCoptix S.A.